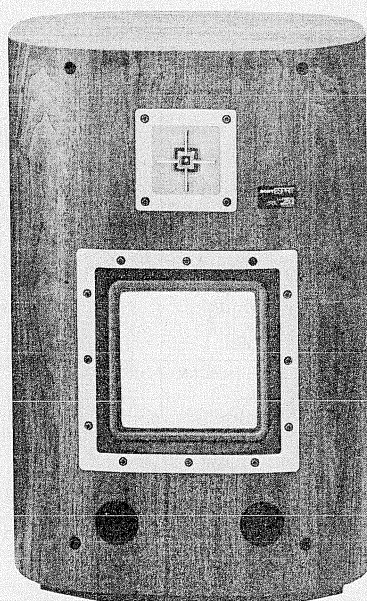


# APM-6 MONITOR

*AEP Model  
UK Model  
E Model*



## SPEAKER SYSTEM

### SPECIFICATIONS

Speaker System:	2-way speaker system
Speaker Units:	Woofer 502 cm <sup>2</sup> (77.8 inch <sup>2</sup> ), flat diaphragm Tweeter: 16 cm <sup>2</sup> (2.5 inch <sup>2</sup> ), flat diaphragm
Enclosure Type:	Bass reflex Removable front grille
Nominal Impedance:	8 $\Omega$
Power Handling Capacity:	Nominal 100 W DIN 45500 Music 300 W DIN 45500
Sensitivity:	88 dB (1 W, 1 m)
Frequency Range:	22 – 18,000 Hz $\pm \frac{1}{3}$ dB DIN
Crossover Frequency:	1,200 Hz
Dimensions:1	Approx. 545(w) x 820(h) x 375(d) mm 21½(w) x 32½(h) x 14¾(d) inches
Weight:	Approx. 48 kg (105 lb 14 oz) (net, including front grille)



**SONY®**  
**SERVICE MANUAL**

# APM-6 MONITOR

## 1. DISASSEMBLY

### 1-1. SPEAKER UNIT AND NETWORK PLATE REMOVAL

**Note:** Follow the disassembly procedure in the numerical order given.

woofer : ①, ②

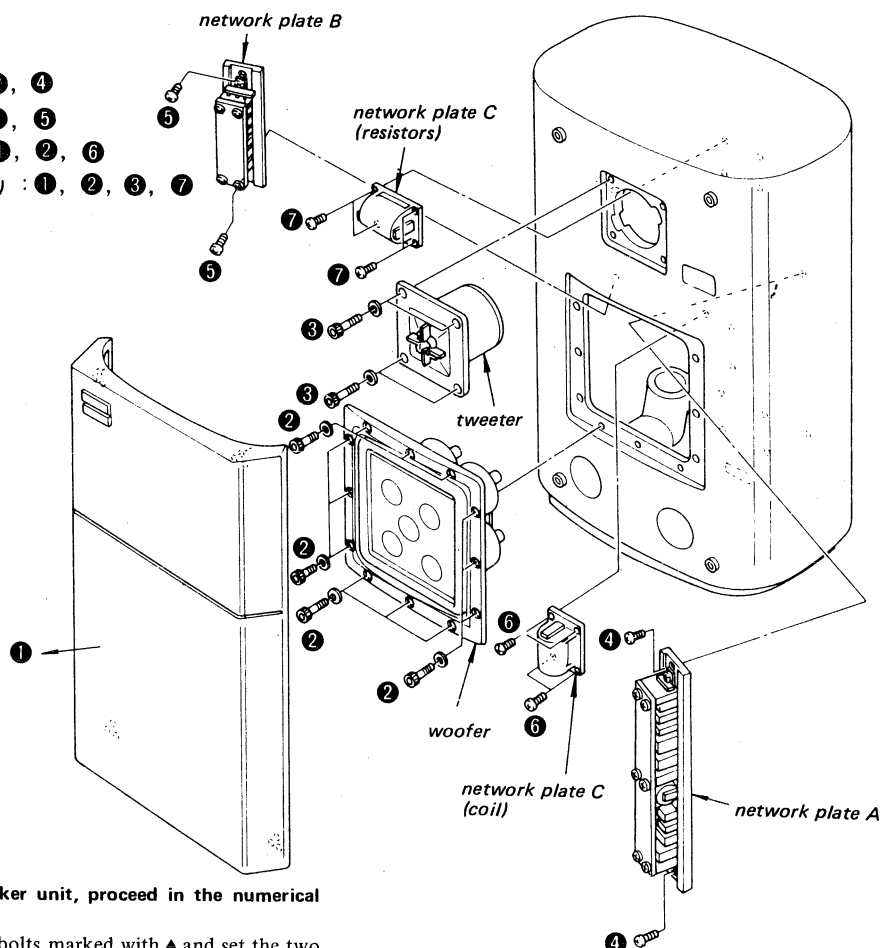
tweeter : ①, ③

network plate A : ①, ②, ④

network plate B : ①, ②, ⑤

network plate C (coil) : ①, ②, ⑥

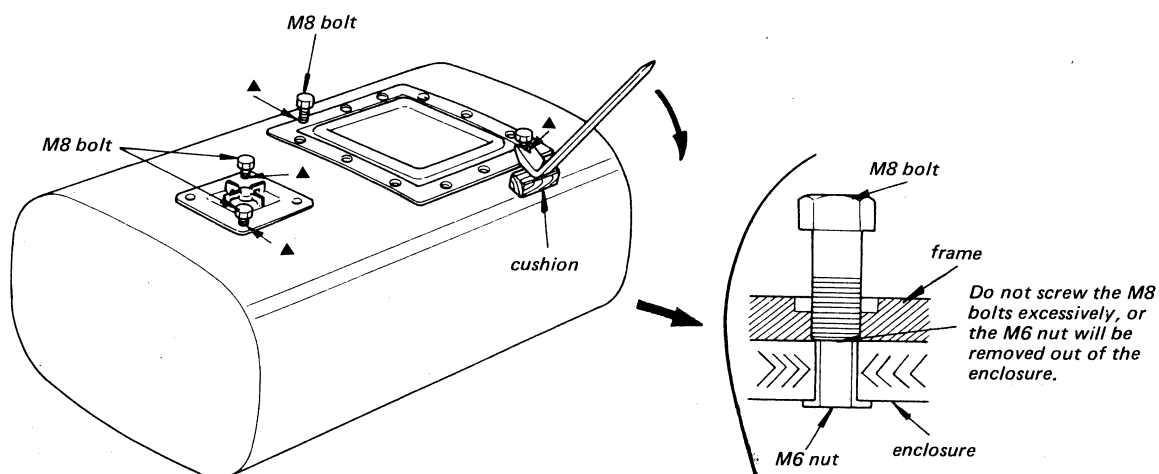
network plate C (resistors) : ①, ②, ③, ⑦



#### NOTE

When removing the speaker unit, proceed in the numerical order given.

1. Remove the two M6 bolts marked with ▲ and set the two M8 bolts lightly as shown.
2. Loosen the other M6 bolts.
3. Raise the speaker unit at both side with the two M8 bolts as far as it goes. Set the spacer between the speaker unit and the enclosure.
4. Remove all the M6 bolts.
5. Pull off the speaker unit with the two M8 bolts.



# APM-6 MONITOR APM-6 MONITOR

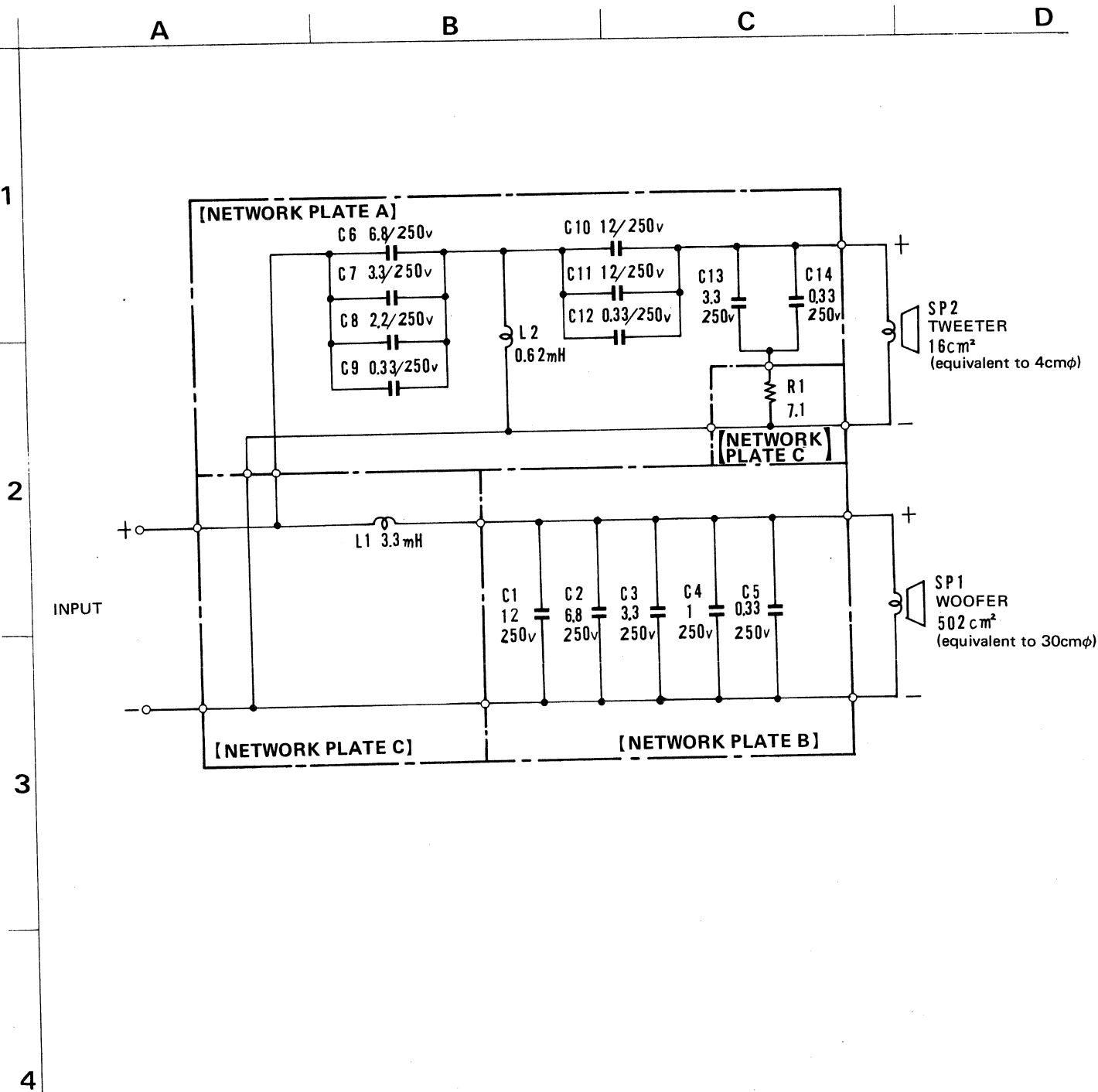
## NOTE

How to check voice coil of woofer.

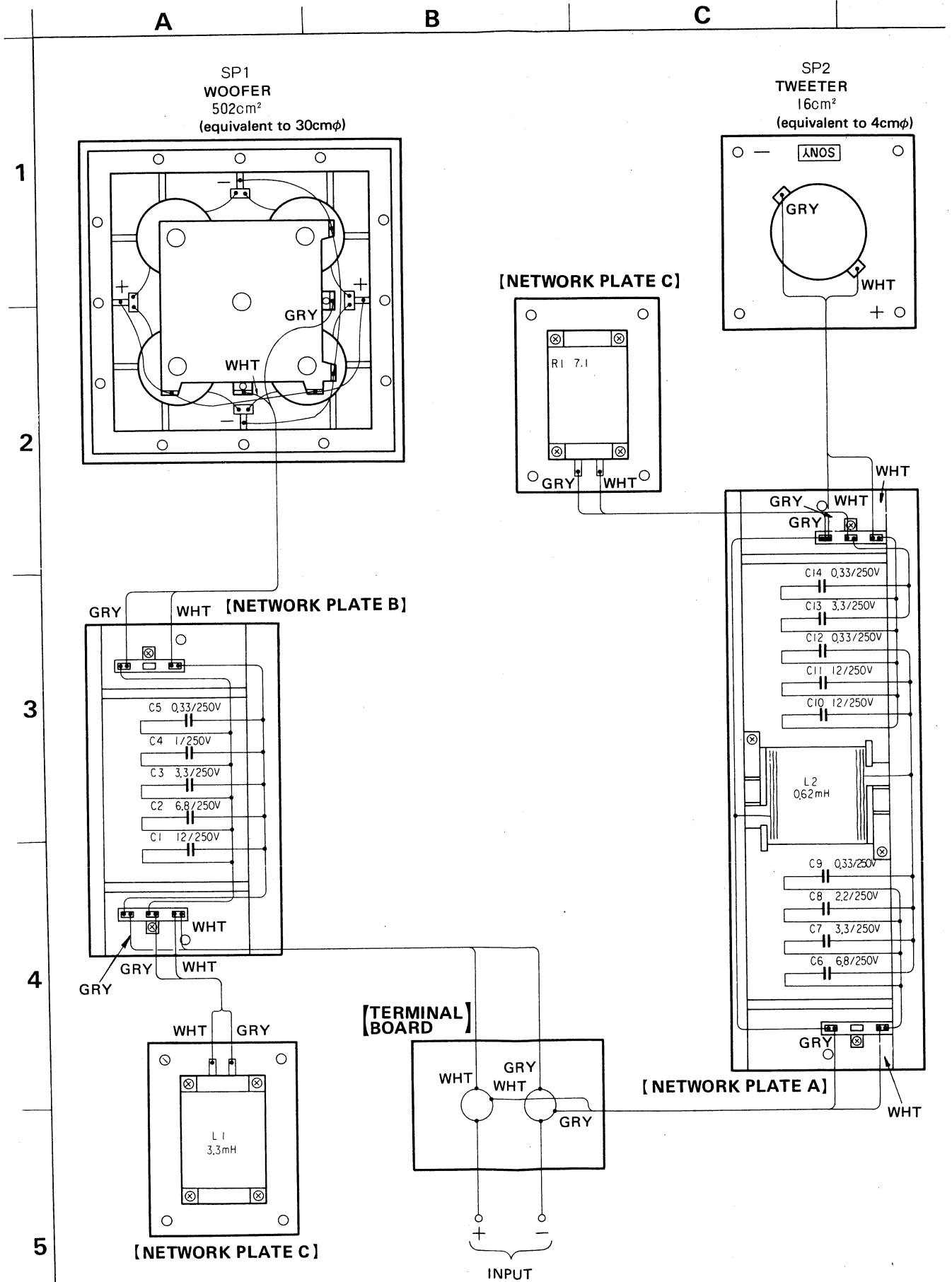
1. Measure dc resistance across speaker terminals by using VOM.

- When voice coil is normal; about  $6.8\Omega$  (including dc resistance  $0.9\Omega$  of network coil)
  - When one voice is broken; about  $8.8\Omega$  (including dc resistance  $0.9\Omega$  of network coil)
- Above resistance values are reference data.

## 2. SCHEMATIC DIAGRAM



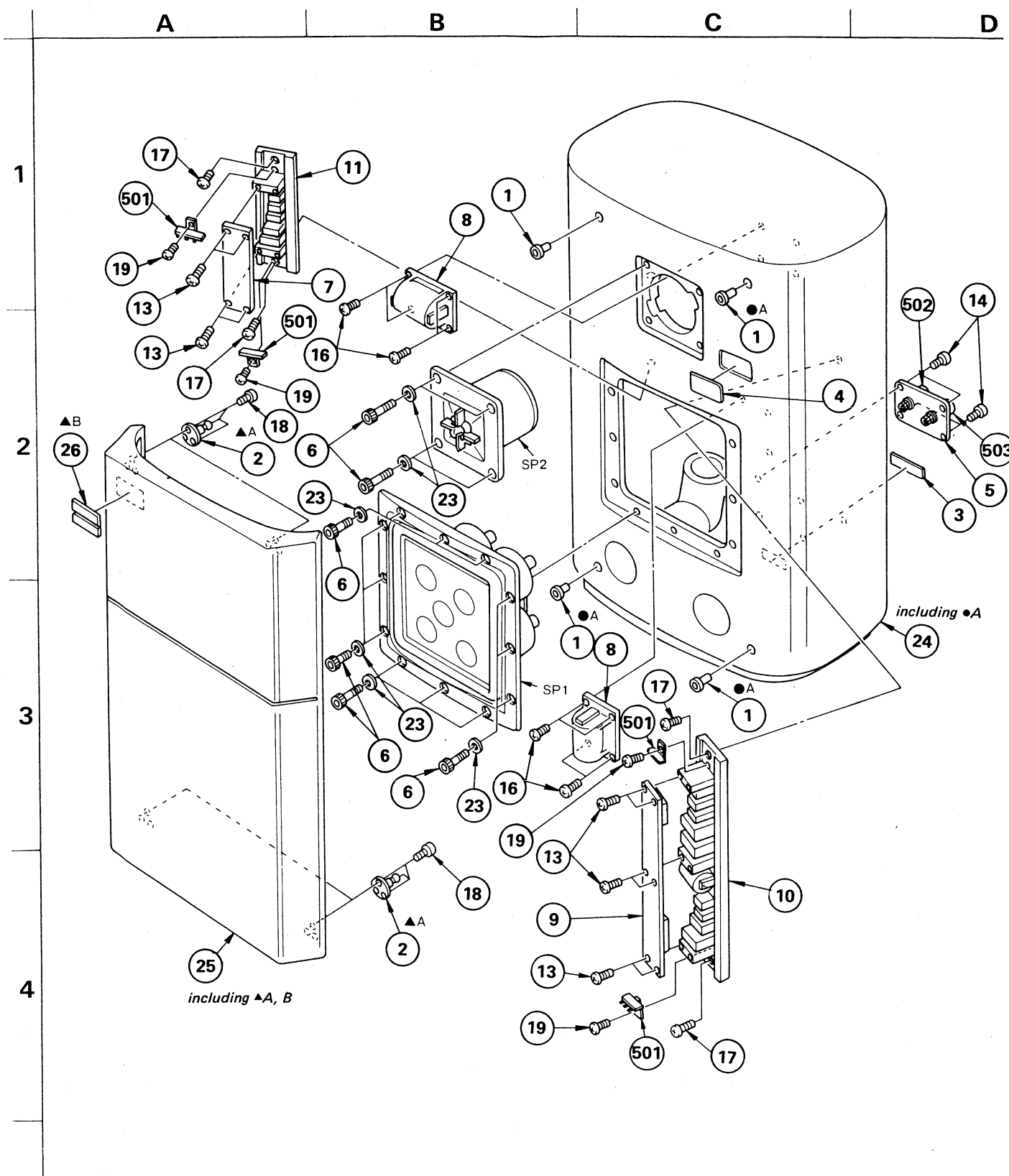
## 3. WIRING DIAGRAM



# APM-6 MONITOR APM-6 MONITOR

## 4. EXPLODED VIEW

See the parts list on page 6 for these part numbers and descriptions.



## 5. PARTS LIST

### GENERAL SECTION

No.	Part No.	Description
1	•4-837-212-00	CATCHER, A
2	4-859-714-00	STRIKE
3	4-878-801-00	LABEL, MODEL NUMBER
4	•4-878-816-00	EMBLEM, BAFFLE BOARD
5	4-878-818-00	PLATE, TERMINAL
6	4-878-819-00	BOLT 6X30, HEXAGONHOLE
7	•4-878-820-00	CLAMP (B)
8	•4-878-821-00	PLATE (C), NETWORK
9	•4-878-826-00	CLAMP (A)
10	•4-878-827-00	PLATE (A), NETWORK
11	•4-878-828-00	PLATE (B), NETWORK
12	7-621-843-25	SCREW, WOOD +R 3.1X10
13	7-621-843-65	SCREW, WOOD +R 3.1X25
14	7-621-846-40	SCREW, WOOD +R 4.1X16
15	7-621-846-55	SCREW, WOOD +R 4.1X20
16	7-621-846-65	SCREW, WOOD +R 4.1X25
17	7-621-846-75	SCREW, WOOD +R 4.1X32
18	7-621-849-20	SCREW, WOOD +R 3.1X16
19	7-685-147-61	SCREW, TAPPING +P 3X10, TYPE 4
20	7-685-148-61	SCREW, TAPPING +P 3X12, TYPE 4
21	7-685-151-69	SCREW, TAPPING +P 3X20, TYPE 4
22	7-688-003-12	W 3, MIDDLE
23	7-688-006-02	W 6, SMALL
24	•A-4560-035-A	BOX ASSY, SPEAKER
25	X-4878-804-0	GRILLE ASSY, FRONT
26	X-4878-802-0	EMBLEM ASSY MODEL NUMBER

### ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
41	3-701-020-00	BAG, CHECK SHEET
42	3-783-675-11	MANUAL, INSTRUCTION
43	4-859-752-00	JOINT (600W), PP
44	4-878-804-00	BAG, PROTECTION
45	4-878-806-00	LABEL
46	4-878-808-00	INDIVIDUAL CARTON
47	4-878-809-00	SHEET, PROTECTION
48	7-700-730-50	SPANNER
49	X-4878-801-0	TRAY ASSY

### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "•" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

### ELECTRICAL PARTS

Ref.No.	Part No.	Description			
501	1-536-378-XX	L-TYPE TERMINAL STRIP			
502	1-536-577-00	TERMINAL (RED)			
503	1-536-578-00	TERMINAL (BLK)			
C1	1-130-219-00	CAP, POLYESTER FILM 12MF	10%	250V	
C2	1-130-218-00	CAP, POLYESTER FILM 6.8MF	10%	250V	
C3	1-130-216-00	CAP, POLYESTER FILM 3.3MF	10%	250V	
C4	1-130-214-00	CAP, POLYESTER FILM 1.0MF	10%	250V	
C5	1-130-462-00	CAP, POLYESTER FILM 0.33MF	10%	250V	
C6	1-130-218-00	CAP, POLYESTER FILM 6.8MF	10%	250V	
C7	1-130-216-00	CAP, POLYESTER FILM 3.3MF	10%	250V	
C8	1-130-215-00	CAP, POLYESTER FILM 2.2MF	10%	250V	
C9	1-130-462-00	CAP, POLYESTER FILM 0.33MF	10%	250V	
C10	1-130-219-00	CAP, POLYESTER FILM 12MF	10%	250V	
C11	1-130-219-00	CAP, POLYESTER FILM 12MF	10%	250V	
C12	1-130-462-00	CAP, POLYESTER FILM 0.33MF	10%	250V	
C13	1-130-216-00	CAP, POLYESTER FILM 3.3MF	10%	250V	
C14	1-130-462-00	CAP, POLYESTER FILM 0.33MF	10%	250V	
L1	•1-459-373-00	COIL, NETWORK 3.3MH			
L2	•1-459-374-00	COIL, NETWORK 0.62MH			
R1	1-217-615-00	RES, WIREWOUND 7.1			
SP1	1-503-094-00	SPEAKER (WOOFER) 502cm <sup>2</sup> (EQUIVALENT TO 30Cm <sup>φ</sup> )			
SP2	1-503-095-00	SPEAKER (TWEETER) 16cm <sup>2</sup> (EQUIVALENT TO 4Cm <sup>φ</sup> )			

### CAPACITORS:

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF:  $\mu$ F, PF:  $\mu$ F.

### RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

### COILS

- MMH : mH, UH :  $\mu$ H

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